

ABSTRACT

5 The present invention provides high burring, high
strength steel sheet excellent in softening resistance of
the weld heat affected zone and a method of production of
the same, that is, high burring, high strength steel
sheet excellent in softening resistance of the weld heat
affected zone containing, by wt%, C: 0.01 to 0.1%, Si:
0.01 to 2%, Mn: 0.05 to 3%, $P \leq 0.1\%$, $S \leq 0.03\%$, Al: 0.005 to
10 1%, N: 0.0005 to 0.005%, and Ti: 0.05 to 0.5% and further
containing C, S, N, Ti, Cr, and Mo in ranges satisfying
 $0\% < C - (12/48Ti - 12/14N - 12/32S) \leq 0.05\%$, $Mo + Cr \geq 0.2\%$, $Cr \leq 0.5\%$,
and $Mo \leq 0.5\%$, the balance being Fe and unavoidable
impurities, wherein the microstructure comprises ferrite
15 or ferrite and bainite.